DEFENSE ACQUISITION UNIVERSITY

SAM 301 - Advanced Software Acquisition Management

110208

Course Learning/Performance Objectives followed by its enabling learning objectives on separate lines if specified.

1	Given descriptive information and appropriate software acquisition management reference materials, be able to assess the effect of current and proposed executive branch, legislative branch and departmental level policy and legal initiatives on software acquisition management.
2	Given descriptive information and appropriate software acquisition management reference materials, be able to evaluate and assess impacts of the DoD's current "Software Issues" and summarize the state of the practice
3	Given materials describing course objectives and student assessment requirements, students participate in a IPT exercise to identify capstone briefing research topics on software acquisition management issues to be formally presented later on the course
4	Given descriptive information and appropriate software acquisition management reference materials, be able to judge the impact of software development methodologies and their relationships to a given overall system acquisition strategy
5	Given descriptive information and appropriate software acquisition management reference materials, be able to assess the impacts of selected technologies on the acquisition and development of software-intensive systems.
6	Given a software acquisition program scenario, be able to recommend appropriate change management approaches that can help lead to successful program outcomes
7	Given descriptive information and appropriate software acquisition management reference materials, be able to characterize the human resource issues facing the DoD software acquisition community in general and the IT DAWIA career field in particular
8	Given descriptive information and appropriate software acquisition management reference materials, be able to evaluate methodologies used for analyzing, refining, implementing, maintaining and testing requirements for a software-intensive system
9	Given descriptive information and appropriate software acquisition management reference materials, be able to assess the utility of such techniques as re-engineering and modeling & simulation in legacy system migration and development
10	Given descriptive information and appropriate software acquisition management reference materials, be able to recognizeand assess interrelationships between software and enterprise architectures and assess the benefits of software architectures.
11	Given descriptive information and appropriate software acquisition management reference materials, be able to evaluate the role of data management and assess data management issues.
12	Given descriptive information and appropriate software acquisition management reference materials, be able to appraise the strengths, weakness and "best practices" associated with software product reuse and the use of COTS products
13	Given descriptive information and appropriate software acquisition management reference materials, be able to evaluate the impact of information assurance and security issues on the software acquisition life-cycle.
14	Given descriptive information and appropriate software acquisition management reference materials, be able to outline appropriate risk management principles for a given software-intensive system
15	Given descriptive information and appropriate software acquisition management reference materials, students evaluate cost factors that can impact software acquisition management.
16	Given descriptive information and appropriate software acquisition management reference materials, outline techniques and sources that are best practices for software-intensive systems
17	Given descriptive information and appropriate software acquisition management reference materials, assess whether a software testing program adequately supports the quality, mission effectiveness and suitability goals of a given software intensive system.